

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/008361A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01C19/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/010120 A1 (JEANROY ALAIN) 16 January 2003 (2003-01-16)	1
Y	paragraphs '0051!', '0054!', '0063!', '0064!', '0066!; claim 1; figures	2,22
X	GB 2 378 517 A (* TOYOTA JIDOSHA KABUSHIKI KAISHA) 12 February 2003 (2003-02-12)	12,13
Y	paragraph '0097!; figures 7,10	2,22

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

13 June 2005

Date of mailing of the international search report

06/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hunt, J

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/008361

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003010120 A1	16-01-2003	FR 2805039 A1	17-08-2001
		AU 3562101 A	27-08-2001
		CA 2398879 A1	23-08-2001
		DE 60104983 D1	23-09-2004
		EP 1255963 A1	13-11-2002
		WO 0161279 A1	23-08-2001
		JP 2003534534 T	18-11-2003
		TW 486561 B	11-05-2002
GB 2378517 A	12-02-2003	ZA 200205891 A	04-03-2004
		JP 3525862 B2	10-05-2004
		JP 2001330442 A	30-11-2001
		DE 10124822 A1	20-12-2001
		GB 2367132 A ,B	27-03-2002
		US 2001045127 A1	29-11-2001